

DECLARATION FOR PATENT APPLICATION.

As an inventor named below, I hereby declare that:

- (1) my residence, post office address and citizenship are as stated below next to my name;
- (2) I believe I am the original, first and joint inventor of the subject matter that is disclosed and claimed, for which a U.S. patent is sought, on the invention entitled

LINEAR PHASE ROBUST CARRIER RECOVERY FOR QAM MODEMS

the patent specification and claims of which are attached hereto;

(3) I hereby state that I have reviewed and understand the contents of the above-identified patent application, including the claims;

(4) I hereby acknowledge a duty to disclose information that is material to examination of this application in accordance with 37 C. F. R. 1.56;

(5) I hereby appoint the following patent attorney to prosecute this application and to transact all business concerning this application in the United States Patent and Trademark Office:

Boris G. Tankhilevich, Reg. No. 38,689

Law Offices of Boris G. Tankhilevich
536 N. Civic Drive
Ste. A
Walnut Creek, CA 94596
Voice:: (925) 930-0966
Fax: (925)930-0966;
E-mail: borist@pacbell.net;

and

(6) I hereby declare that all statements made herein of my knowledge are true, and that all statements made herein on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of this application or any patent that issues on this application.

Full name of the inventor David Bruce Isaksen
Inventor's signature David B Isaksen Date: 8-OCT, 2001
Inventor's residence 65D Evandale Ave, Mountain View, CA 94043
Citizenship USA
Post Office address 65D Evandale Ave, Mountain View, CA 94043

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Full name of the inventor Byron Esten DANZER

Inventor's signature Byron E Danzer Date: 8-Oct, 2001

Inventor's residence 390 Belle Monti Ave, Aptos, CA 95003

Citizenship United States of America

Post Office address 390 Belle Monti Ave, Aptos, CA 95003

0930101 38689

Atty. Docket No. Wideband 105/Tank-195

POWER OF ATTORNEY BY ASSIGNEE

The undersigned, as Assignee of the entire right, title, and interest in and to the subject matter which is described and claimed and for which a patent is sought on the invention entitled:

LINEAR PHASE ROBUST CARRIER RECOVERY FOR QAM MODEMS

the specification of which

----- is attached hereto;

-----was filed on _____ as Application Serial No. _____ and was amended on _____

(if applicable)

Assignment recorded on _____ at Reel/Frame _____

(if applicable)

hereby elects to control the prosecution of this application and hereby appoints the following patent attorney to prosecute this application and transact all business in the Patent and Trademark Office in connection therewith:

Boris G. Tankhilevich, Reg. No. 38,689

Address all correspondence to:

Law Offices of Boris G. Tankhilevich
536 N. Civic Drive
Ste. A
Walnut Creek, CA 94596

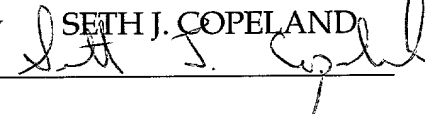
Address all telephone calls to:

Boris G. Tankhilevich
(925) 930-0966

Assignee hereby petitions and requests that this file be closed to the inventors(s), or representative(s) thereof.

Dated: 10/1/2001

WIDEBAND SEMICONDUCTORS, Inc.

by SETH J. COPELAND


title PRESIDENT AND CEO

THE COOPERATIVE